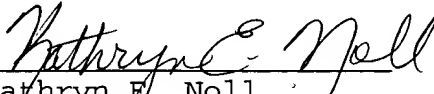




CERTIFICATE OF MAILING

#4

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Kathryn E. Noll

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Michael E. Mack, et al. Examiner: N/A
Serial Number: 09/904,919 Art Group: 2881
Filed: July 13, 2001 Docket No. 11460-112
For: GAS CLUSTER ION BEAM SIZE DIAGNOSTICS AND WORKPIECE PROCESSING

Perkins, Smith and Cohen, LLP
One Beacon Street
Boston, MA 02108
(617) 854-4000

TO: Assistant Commissioner of Patents
ATTENTION: BOX MISSING PARTS
Washington, D.C. 20231

RESPONSE TO FILE MISSING PARTS

Sir:

In response to the Notice to File Missing Parts of Nonprovisional Application dated August 27, 2001, an executed Declaration and Powers of Attorney are submitted herewith together with a copy of the Notice to File Missing Parts and two checks totaling \$170.00 covering the required fees for the Response to File Missing Parts and Assignment.

Also enclosed herewith, please find an Assignment, which is to be recorded for the above-identified application.

Please charge any underpayment of fees to or credit any overpayment of fees to Deposit Account No. 03-2410, order 11460-112.

In accordance with Section 714.01 of the M.P.E.P., the following information is presented in the event that a call may be deemed desirable by the Examiner:

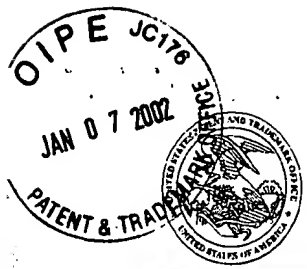
Kathryn E. Noll (617) 854-4000

Dated: Oct. 19, 2001

Respectfully submitted,
Michael E. Mack, et al., Applicants

By: Kathryn E. Noll
Kathryn E. Noll
Reg. #48,811

11460-112-RespMissParts



#4

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COMMISSIONER FOR PATENTS
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| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/904,919 | 07/13/2001 | Michael E. Mack | 11460-112 |

26486
PERKINS, SMITH & COHEN LLP
ONE BEACON STREET
30TH FLOOR
BOSTON, MA 02108

CONFIRMATION NO. 4702

FORMALITIES LETTER



OC00000006472883

Date Mailed: 08/27/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*

A.T.
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

01/11/2002 NMOHAMM1 00000060 09904919

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PTO/SB/21 (08-00)

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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

| | |
|------------------------|-----------------|
| Application Number | 09/904,919 |
| Filing Date | July 13, 2001 |
| First Named Inventor | Michael E. Mack |
| Group Art Unit | 2881 |
| Examiner Name | N/A |
| Attorney Docket Number | 11460-112 |

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

| | | |
|---|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <p>Powers of Attorney (2) Post Card</p> |
| <div>Remarks</div> | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | |
|-------------------------|-------------------------------------|
| Firm or Individual name | Kathryn E. Noll Reg. No.: 48,811 |
| Signature | <i>Kathryn E. Noll</i> |
| Date | <i>October 19, 2001</i> |

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| | | | |
|-----------------------|------------------------|------|-----------------|
| Typed or printed name | Kathryn E. Noll | | |
| Signature | <i>Kathryn E. Noll</i> | Date | <i>10/19/01</i> |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/17 (10-01)